

Abstract of the Disclosure

5        Provided are microfluidics, capillary electrophoresis and electrochromatography matrices employing a gel of G-quartet forming nucleosides and/or oligonucleotides. Also provided are compositions and columns based upon the matrices, as well as methods for making and using the matrices, and methods employing the matrices, such as methods for detecting a target analyte in a mixture employing the matrices.